

$$(x,y,z) = (-8,8,8)$$
 to $(r,0,z)$

$$\iiint_{E} \sqrt{\chi^{2}+\gamma^{2}} dv$$

$$\int_{E} \sqrt{\chi^{2} + \gamma^{2}} \, dv \qquad \chi^{2} + \gamma^{2} = 25$$

$$Z = 3 - 7 = 10$$

$$\int_{3}^{10} \int_{0}^{2\pi} \int_{0}^{5} \int_{0}^{5} \int_{0}^{2\pi} \int_{0}^{5} \int$$

$$x^2 + y^2 = 25$$

 $z = 3 - 0 z = 10$

$$\int_{0}^{2\hat{l}l} \int_{3}^{4} \int_{0}^{X+\gamma+Q} X \int_{0}^{X+\gamma+Q} X \int_{0}^{2} \int_{3}^{4} \int_{0}^{1} \int_{0}^{$$

$$\int_{0}^{2\pi} \int_{0}^{2} \int_{0}^{3\pi} \int_{0}^{3} \cos^{2}\theta \, dz dx d\theta$$

Inside
$$x^2+y^2=4$$

Above $Z=0$

$$Z^2 = 9x^2+9y^2$$

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$$\int_{0}^{2\pi} \int_{0}^{2} \int_{0}^{3\pi} e^{3} \cos^{2}\theta + 424\pi d\theta$$

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$$\int_{0}^{2} (\cos^{2}\theta + \cos \theta + \sin \theta + \cos \theta) d\theta$$

$$\lim_{N \to \infty} \int_{0}^{2} (\cos^{2}\theta + \cos \theta + \frac{175}{4}) \int_{0}^{2} (\cos \theta + \sin \theta + \frac{111}{4}) \int_{0}^{2} (\cos \theta + \cos \theta) d\theta$$

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